

CLAIMS

1. A method of alarm notification comprising the steps of:
- (a) receiving alarms from multiple network management servers;
  - (b) assigning policy-based filters to associated network management applications; and
  - (c) applying the assigned policy-based filters to the alarms and for the alarms which pass the filters, generating an alarm notification and forwarding the same to the associated network management application.
2. The method of claim 1, wherein:  
the assigning step includes assigning a plurality of filters comprising a policy to the associated network management application.
3. The method of claim 2, wherein:  
each filter comprises at least one filter parameter;  
and  
the applying step comprises performing a logical AND of all parameters within one filter and performing a logical OR between all filters within one policy.
4. The method of claim 3, wherein:  
the generating step includes specifying real-time values of each filter parameter in the alarm notification.

- 30 -

5. The method of claim 2, wherein:  
the assigning step includes storing a policy name  
and the associated applications in a database accessible  
to all servers.
6. The method of claim 1, wherein:  
the assigning step includes assigning a tag to each  
filter.
7. The method of claim 6, wherein:  
the generating step includes specifying the tag for  
the filter which the alarm passed in the alarm  
notification.
8. The method of claim 1, wherein:  
the assigning step includes storing the filters in a  
database.
9. The method of claim 1, wherein:  
the generating step further includes specifying a  
user name in the alarm notification to enable the  
application which receives the alarm notification to  
notify a user having the specified user name.
- ~~10. The method of claim 1, wherein:  
the assigning step includes scheduling the assigning  
to occur at a specified time.~~

*Full  
A2*

- 31 -

*Sub  
Q2*  
11. The method of claim 1, further comprising:  
(d) following resolution of an alarm, forwarding an alarm clear message to the associated network management application.

12. The method of claim 1, wherein:  
the assigning step includes assigning the same filters to multiple associated network management applications.

13. The method of claim 1, wherein:  
the assigning step is performed by a user via a graphical user interface.

14. The method of claim 1, wherein:  
the generating step includes generating an alarm notification which contains information about the device which generated the alarm.

15. The method of claim 1, further comprising:  
one or more of the network management applications generating an alarm clear message and forwarding the same to the network management server which generated the alarm.

*Sub  
Q3*  
16. Apparatus for alarm notification comprising:  
a database of policy-based filters;  
a user interface for assigning policy-based filters to associated network management applications;  
a processor and a memory device containing a program of instructions for the processor which instructions include:

C0441/7046  
3/29/95  
TAH'cp  
6798N

- 32 -

means for receiving alarms from a plurality of network management servers;

means for applying policy-based filters to the alarms and generating an alarm notification for those alarms which pass the filters; and

means for forwarding the alarm notification to the associated network management applications.

*add a4*